HOMEOSTASIS

Homeostasis, any self-regulating process by which biological systems tend to maintain stability while adjusting to conditions that are optimal for survival. If homeostasis is successful, life continues; if unsuccessful, disaster or death ensues. The stability attained is actually a dynamic equilibrium, in which continuous change occurs yet relatively uniform conditions prevail.

MECHANISM

There are number of mechanism operating in the body of an organism to maintain homeostasis. Logically homeostasis require a check and balance system which is termed as feedback system which is regulated by receptor and effector.

It consists of

- Negative feedback loops that counteract changes of various properties from their target values
 i-e set points.
- Positive feedback loops, which amplify their initiating stimuli or move the steel way from its starting state.

HOMEOSTASIS PROTOSSES

Homeostasis concerned with three major processes:

- 1. Smoosu tion
- 2 Excretion
- 3. Thermoregulation.

OSMOREGULATION

Osmoregulation is the active regulation of the osmotic pressure of an organism's body fluids, detected by osmoreceptors, to maintain the homeostasis of the organism's water content; that is, it maintains the fluid balance and the concentration of electrolytes (salts in solution which in this case is represented by body fluid) to keep the body fluids from becoming too diluted or concentrated. Osmotic pressure is a measure of the tendency of water to move into one solution from another by osmosis.

4. Lungs

<u> Qno-05:</u>			
he vertebrates have both nonspec	ific and specific n	nechanism for defending themsel	ves against
1. Microorganism	✓	2. Fluid feeders	
3. Parasite		4. fungi	
<u> Qno-06:</u>	'		'
The circulatory system of some inve	ertebrates are of		
Close type		2. Open type	✓
3. Both open & close		4. None of above	
			-1/
<u>Qno-07:</u>		nto blood Schare called	UN
		ale.co	
he system in which a pumping hea	rt moves a fluid i	nto blook see thate called	·
1. Close type	Amor	2. Open type	
 Close type Both open & close 	onv	2. Open type 4. None of above	
3. Both open & close	ony		
3. Both open & class Qno 68: 1	on N		
3. Both open & class Qno 68: 1	s are there?		
3. Both open & close	s are there?		✓
3. Both open & class Qno-ea-y C low many types of circulatory fluid	s are there?	4 None of above	✓
3. Both open & class Qno 63 Ce low many types of circulatory fluid 1. One 3. Three	s are there?	4 None of above 2. Two	✓
3. Both open & class Qno-66: C How many types of circulatory fluid 1. One 3. Three Qno-09:		4 None of above 2. Two	✓
3. Both open & class Qno-60 C How many types of circulatory fluid 1. One 3. Three Qno-09: The mixture of blood and interstitian		2. Two 4. Four	✓
3. Both open & class 2no-63 C How many types of circulatory fluid 1. One 3. Three 2no-09: The mixture of blood and interstitia 1. Hemolymph		2. Two 4. Four 2. Plasma	✓
3. Both open & class Qno-66: C How many types of circulatory fluid 1. One 3. Three Qno-09: The mixture of blood and interstitian	I fluid is	2. Two 4. Four	
3. Both open & class 2no-23 Color C	I fluid is	2. Two 4. Four 2. Plasma	
3. Both open & class 2no-60: C How many types of circulatory fluid 1. One 3. Three 2no-09: The mixture of blood and interstitia 1. Hemolymph 3. Hemocoel 2no-10:	I fluid is	2. Two 4. Four 2. Plasma	
3. Both open & class Qno-93: C How many types of circulatory fluid 1. One 3. Three Qno-09: The mixture of blood and interstitia 1. Hemolymph	I fluid is	2. Two 4. Four 2. Plasma	
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3. Kidney

RBCs is absent in______.

1. Cytoplasm	2. Kidneys	
3. Liver	4. Lymph	\checkmark

Qno-44

The blood cell involve in blood clotting is______.

1. WBCs		2. RBCs	
3. Platelets	√	4. N.O.T	

Qno-45

The prothrombin activator converts prothrombin into______.

1. Thrombin	✓	2. Fibrinogen	
3. Elastin		4. N.O.T	

Qno-46

5. EldStill	4. IV.U.1	
<u>Qno-46</u>	- UK	
Which has the thickest wall?	tatesale.co.uk	
1. Right auricle	Left auricle	
3. Right ventricle	4. Left ventride	✓

Qno-47

For reading left side of the hear place must pass through ______.

1. Liver		2. Kidneys	
3. Lungs	√	4. Brain	

Qno-48

The greatest percentage of blood volume is in:

1. Heart	2. Capillari	es
3. Aorta	4. Venules	\checkmark

Qno-49

How many red blood cells are there in a drop of blood?

1. 15 million		2. 50,000	
3. 5 million	✓	4. ½ million	

Qno-50